

## IN THE ABSTRACT

~~A method and system for~~ The invention relates to the  
monitoring ~~of~~ safe transmission of data packets between at  
least two network subscribers. ~~One object of the invention~~  
~~is to indicate a safe and~~ is done in a significantly faster  
way. ~~in which a~~ Safety-based monitoring of the  
transmission with respect to incorrectly and correctly  
transmitted data packets ~~is~~ can be carried out in real time  
on the basis of an error rate limit value ~~which is and/or~~  
~~can be predetermined, in particular a residual error and/or~~  
~~bit error rate limit value.~~

~~In order to achieve this, the invention proposes, for~~  
~~monitoring a transmission of data packets between at least~~  
~~two network subscribers,~~  
~~with safety-based monitoring of an error-based limit value~~  
~~which is and/or can be predetermined, being carried out on~~  
~~the transmission medium for response to identified~~  
~~incorrectly transmitted data packets (1) and identified~~  
~~correctly transmitted data packets (1), that a data record~~  
~~(22, 23) which is in each case expected by at least one~~  
~~network subscriber and which is used to determine whether~~  
~~data packets (1) have been transmitted incorrectly or~~  
~~correctly be transmitted within the payload data (2) in~~  
~~each data packet (1).~~

~~(Figure 2)~~